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Relevance scale ☐▄▄██

1 Industrial sessions: beyond relational tables: Coordinating backup/recovery and data consistency between database and file systems
Suparna Bhattacharya, C. Mohan, Karen W. Brannon, Inderpal Narang, Hui-I Hsiao, Mahadevan Subramanian
June 2002 **Proceedings of the 2002 ACM SIGMOD international conference on Management of data**
Full text available: 📄 pdf(1.44 MB)   Additional Information: full citation, abstract, references, index terms

> Managing a combined store consisting of database data and file data in a robust and consistent manner is a challenge for database systems and content management systems. In such a hybrid system, images, videos, engineering drawings, etc. are stored as files on a file server while meta-data referencing/indexing such files is created and stored in a relational database to take advantage of efficient search. In this paper we describe solutions for two potentially problematic aspects of such a data ...

> **Keywords**: DB2, content management, database backup, database recovery, datalinks

2 Appendix: On totally ordering checkpoints in distributed data bases
Herbert Kuss
June 1982 **Proceedings of the 1982 ACM SIGMOD international conference on Management of data**
Full text available: 📄 pdf(807.75 KB)   Additional Information: full citation, abstract, references

> Two-phase commit techniques to achieve atomicity of transactions in distributed database systems have been widely presented in the past. Less attention in comparison with this technique has been payed to the problem of "cold restart". To this problem we present a solution which has as its main properties:- low communication overhead and only partial cooperation between transaction managers during normal operation of the distributed system are required when making provisions to cope with cold res ...

3 ARIES: a transaction recovery method supporting fine-granularity locking and partial rollbacks using write-ahead logging
C. Mohan, Don Haderle, Bruce Lindsay, Hamid Pirahesh, Peter Schwarz
March 1992 **ACM Transactions on Database Systems (TODS)**, Volume 17 Issue 1
Full text available: 📄 pdf(5.23 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

DB2TM, IMS, and TandemTM systems. ARIES is applicable not only to database management systems but also to persistent object-oriented languages, recoverable file systems and transaction-based operating systems. ARIES has been implemented, to varying degrees, in IBM's OS/2TM Extended Edition Database Manager, DB2, Workstation Data Save Facility/VM, Starburst and QuickSilver, and in the University of Wisconsin's EXODUS and Gamma d ...

Keywords: buffer management, latching, locking, space management, write-ahead logging

4 Reliability mechanisms for ADAMS

S. H. Son, J. L. Pfaltz
January 1989 **Proceedings of the third conference on Hypercube concurrent computers and applications - Volume 2**

Full text available: pdf(984.13 KB)   Additional Information: full citation, abstract, references, citings, index terms

The goal of checkpointing in database management systems is to save database states on a separate secure device so that the database can be recovered when errors and failures occur. This paper presents a non-interfering checkpointing mechanism being developed for ADAMS. Instead of waiting for a consistent state to occur, our checkpointing approach constructs a state that would result by completing the transactions that are in progress when the global checkpoint begins. The checkpointing alg ...

5 Distributed, object-based programming systems

Roger S. Chin, Samuel T. Chanson
March 1991 **ACM Computing Surveys (CSUR)**, Volume 23 Issue 1

Full text available: pdf(2.97 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

The development of distributed operating systems and object-based programming languages makes possible an environment in which programs consisting of a set of interacting modules, or objects, may execute concurrently on a collection of loosely coupled processors. An object-based programming language encourages a methodology for designing and creating a program as a set of autonomous components, whereas a distributed operating system permits a collection of workstations or personal computers ...

Keywords: capability scheme, distributed operating systems, error recovery, method invocation, nested transaction, object model, object reliability, object-based programming languages, processor allocation, resource management, synchronization, transaction

6 System R: relational approach to database management

M. M. Astrahan, M. W. Blasgen, D. D. Chamberlin, K. P. Eswaran, J. N. Gray, P. P. Griffiths, W. F. King, R. A. Lorie, P. R. McJones, J. W. Mehl, G. R. Putzolu, I. L. Traiger, B. W. Wade, V. Watson
June 1976 **ACM Transactions on Database Systems (TODS)**, Volume 1 Issue 2

Full text available: pdf(3.18 MB)   Additional Information: full citation, abstract, references, citings, index terms

System R is a database management system which provides a high level relational data interface. The systems provides a high level of data independence by isolating the end user as much as possible from underlying storage structures. The system permits definition of a variety of relational views on common underlying data. Data control features are provided, including authorization, integrity assertions, triggered transactions, a logging and recovery subsystem, and facilities for maintaining ...

Keywords: authorization; data structures, database, index structures, locking, nonprocedural language, recovery, relational model

7 Logical logging to extend recovery to new domains

David Lomet, Mark Tuttle

June 1999 **ACM SIGMOD Record , Proceedings of the 1999 ACM SIGMOD international conference on Management of data**, Volume 28 Issue 2

Full text available: pdf(1.65 MB)   Additional Information: full citation, abstract, references, citings, index terms

Recovery can be extended to new domains at reduced logging cost by exploiting "logical" log operations. During recovery, a logical log operation may read data values from any recoverable object, not solely from values on the log or from the updated object. Hence, we needn't log these values, a substantial saving. In [8], we developed a redo recovery theory that deals with general log operations and proved that the stable database remains recoverable when it is explained in terms ...

8 A database cache for high performance and fast restart in database systems

Klaus Elhardt, Rudolf Bayer

December 1984 **ACM Transactions on Database Systems (TODS)**, Volume 9 Issue 4

Full text available: pdf(1.72 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

Performance in database systems is strongly influenced by buffer management and transaction recovery methods. This paper presents the principles of the database cache, which replaces the traditional buffer. In comparison to buffer management, cache management is more carefully coordinated with transaction management, and integrates transaction recovery. High throughput of small- and medium-sized transactions is achieved by fast commit processing and low database traffic. Very fas ...

9 The Recovery Manager of the System R Database Manager

Jim Gray, Paul McJones, Mike Blasgen, Bruce Lindsay, Raymond Lorie, Tom Price, Franco Putzolu, Irving Traiger

June 1981 **ACM Computing Surveys (CSUR)**, Volume 13 Issue 2

Full text available: pdf(1.75 MB)   Additional Information: full citation, references, citings, index terms

10 Experience Using Multiprocessor Systems—A Status Report

Anita K. Jones, Peter Schwarz

June 1980 **ACM Computing Surveys (CSUR)**, Volume 12 Issue 2

Full text available: pdf(4.48 MB)   Additional Information: full citation, references, citings, index terms

11 An efficient and flexible method for archiving a data base

C. Mohan, Inderpal Narang

June 1993 **ACM SIGMOD Record , Proceedings of the 1993 ACM SIGMOD international conference on Management of data**, Volume 22 Issue 2

Full text available: pdf(969.13 KB)   Additional Information: full citation, abstract, references, citings, index terms

We describe an efficient method for supporting incremental and full archiving of data bases (e.g., individual files). Customers archive their data bases quite frequently to minimize the duration of data outage. Because of the growing sizes of data bases and the ever increasing

need for high availability of data, the efficiency of the archive copy utility is very important. The method presented here minimizes interferences with concurrent transactions by not acquiring any locks on the data b ...

12 Best of technical support
Linux Journal Staff
April 2004 **Linux Journal**, Volume 2004 Issue 120
Full text available: html(15.98 KB)   Additional Information: full citation

13 Main memory database recovery
Margaret H. Eich
November 1999 **Proceedings of 1986 ACM Fall joint computer conference**
Full text available: pdf(794.07 KB)   Additional Information: full citation, references, citings, index terms

14 Tailor: A simple model that works
Russ Blake
August 1979 **Proceedings of the 1979 ACM SIGMETRICS conference on Simulation, measurement and modeling of computer systems**, Volume 8 , 11 Issue 3 , 1
Full text available: pdf(731.45 KB)   Additional Information: full citation, abstract, references, citings, index terms

Tailor is an atomic model of the Tandem/16 multiple-computer system. Atomic modeling is based on operational analysis and general considerations from queueing theory. Measurements of system atoms define the underlying components of processor usage. The workload is described to the model through a separate set of measurable parameters that comprise the workload atoms. Simple formulae from operational analysis are then applied to predict the amount of equipment necessary to support the projec ...

15 Recovery management in QuickSilver
Rober Haskin, Yoni Malachi, Gregory Chan
February 1988 **ACM Transactions on Computer Systems (TOCS)**, Volume 6 Issue 1
Full text available: pdf(2.21 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

This paper describes QuickSilver, developed at the IBM Almaden Research Center, which uses atomic transactions as a unified failure recovery mechanism for a client-server structured distributed system. Transactions allow failure atomicity for related activities at a single server or at a number of independent servers. Rather than bundling transaction management into a dedicated language or recoverable object manager, Quicksilver exposes the basic commit protocol and log rec ...

16 Specification-based testing of reactive software: tools and experiments: experience report
Lalita Jategaonkar Jagadeesan, Adam Porter, Carlos Puchol, J. Christopher Ramming, Lawrence G. Votta
May 1997 **Proceedings of the 19th international conference on Software engineering**
Full text available: pdf(1.79 MB)   Additional Information: full citation, references, citings, index terms

Keywords: empirical studies, reactive systems, specification-based testing, temporal logic

17 An adaptive survivability admission control algorithm using backup path for high-speed networks
Chi-Chun Lo, Bin-Wen Chuang
November 2003 **International Journal of Network Management**, Volume 13 Issue 6

Full text available: pdf(144.92 KB)   Additional Information: full citation, abstract, references, index terms

> In this paper, we propose an adaptive survivability admission control algorithm using a backup path for high-speed networks. For each call request, the proposed algorithm selects a combination of working path and backup path. Two BP selection methods, min-cost and min-expectation, are suggested. Computational experiments indicate that the proposed algorithm significantly reduces the consumption of backup capacity while still maintaining 100% survivability upon a single link failure and near 80% ...

18 Peer-to-peer infrastructure: Pastiche: making backup cheap and easy
Landon P. Cox, Christopher D. Murray, Brian D. Noble
December 2002 **ACM SIGOPS Operating Systems Review**, Volume 36 Issue SI

Full text available: pdf(1.65 MB)   Additional Information: full citation, abstract, references

> Backup is cumbersome and expensive. Individual users almost never back up their data, and backup is a significant cost in large organizations. This paper presents *Pastiche*, a simple and inexpensive backup system. Pastiche exploits excess disk capacity to perform peer-to-peer backup with no administrative costs. Each node minimizes storage overhead by selecting peers that share a significant amount of data. It is easy for common installations to find suitable peers, and peers with high ove ...

19 An efficient primary-segmented backup scheme for dependable real-time communication in multihop networks
Krishna Phani Gummadi, Madhavarapu Jnana Pradeep, C. Siva Ram Murthy
February 2003 **IEEE/ACM Transactions on Networking (TON)**, Volume 11 Issue 1

Full text available: pdf(606.18 KB)   Additional Information: full citation, abstract, references, index terms

> Several distributed real-time applications (e.g., medical imaging, air traffic control, and video conferencing) demand hard guarantees on the message delivery latency and the recovery delay from component failures. As these demands cannot be met in traditional datagram services, special schemes have been proposed to provide timely recovery for real-time communications in multihop networks. These schemes reserve additional network resources (spare resources) *a priori* along a backup channel ...

> **Keywords**: backup channel, backup multiplexing, dependable connection, multihop network, primary channel, quality-of-service (QoS), real-time communication, resource reservation protocol (RSVP), segmented backup

20 High speed on-line backup when using logical log operations
David B. Lomet
May 2000 **ACM SIGMOD Record , Proceedings of the 2000 ACM SIGMOD international conference on Management of data**, Volume 29 Issue 2

Full text available: pdf(220.69 KB)   Additional Information: full citation, abstract, references, citings, index terms

> Media recovery protects a database from failures of the stable medium by maintaining an extra copy of the database, called the backup, and a media recovery log. When a failure occurs, the database is "restored" from the backup, and the media recovery log is used to roll forward the database to the desired time, usually the current time. Backup must be both fast and "on-line", i.e. concurrent with on-going update activity. Conventional online backup

sequentially copies ...

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21 Optimal policy for batch operations: backup, checkpointing, reorganization, and updating   ☐
Guy M. Lohman, John A. Muckstadt
September 1977 **ACM Transactions on Database Systems (TODS),** Volume 2 Issue 3

Full text available: 🗎 pdf(1.00 MB)   Additional Information: full citation, abstract, references, citings, index terms

Many database maintenance operations are performed periodically in batches, even in realtime systems. The purpose of this paper is to present a general model for determining the optimal frequency of these batch operations. Specifically, optimal backup, checkpointing, batch updating, and reorganization policies are derived. The approach used exploits inventory parallels by seeking the optimal number of items—rather than a time interval—to trigger a batch. The Renewal Reward Theor ...

Keywords: backup frequency, batch operations, batch update, checkpoint interval, database maintenance, file reorganization, inventory theory, real-time systems, renewel theory

22 Dealing with partial failures in multiple processor primary-backup systems   ☐
Sharad Mehrotra, Kexiang Hu, Simon Kaplan
January 1997 **Proceedings of the sixth international conference on Information and knowledge management**
Full text available: 🗎 pdf(1.46 MB)   Additional Information: full citation, references, citings, index terms

Keywords: disaster protection, primary-backup system, replication, transaction processing

23 Efficient distributed backup with delta compression   ☐
Randal C. Burns, Darrell D. E. Long
November 1997 **Proceedings of the fifth workshop on I/O in parallel and distributed systems**
Full text available: 🗎 pdf(1.37 MB)   Additional Information: full citation, references, citings, index terms

24 Crypto backup and key escrow
David Paul Maher
March 1996 **Communications of the ACM**, Volume 39 Issue 3

Full text available: pdf(498.27 KB)   Additional Information: full citation, references, index terms

25 Evaluation of remote backup algorithms for transaction-processing systems
Christos A. Polyzois, Héctor García-Molina
September 1994 **ACM Transactions on Database Systems (TODS)**, Volume 19 Issue 3

Full text available: pdf(1.87 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

A remote backup is a copy of a primary database maintained at a geographically separate location and is used to increase data availability. Remote backup systems are typically log-based and can be classified into 2-safe and 1-safe, depending on whether transactions commit at both sites simultaneously or first commit at the primary and are later propagated to the backup. We have built an experimental database system on which we evaluated the performance of the epoch and the dependency recons ...

Keywords: disaster recovery, hot spare, hot standby, remote backup

26 On the selection of efficient record segmentations and backup strategies for large shared databases
Salvatore T. March, Gary D. Scudder
September 1984 **ACM Transactions on Database Systems (TODS)**, Volume 9 Issue 3

Full text available: pdf(1.97 MB)   Additional Information: full citation, abstract, references, citings, index terms

In recent years the information processing requirements of business organizations have expanded tremendously. With this expansion, the design of databases to efficiently manage and protect business information has become critical. We analyze the impacts of record segmentation (the assignment of data items to segments defining subfiles), an efficiency-oriented design technique, and of backup and recovery strategies, a data protection technique, on the overal ...

27 Evaluation of remote backup algorithms for transaction processing systems
Christos A. Polyzois, Hector Garcia-Molina
June 1992 **ACM SIGMOD Record , Proceedings of the 1992 ACM SIGMOD international conference on Management of data**, Volume 21 Issue 2

Full text available: pdf(1.21 MB)   Additional Information: full citation, abstract, references, index terms

A remote backup is a copy of a primary database maintained at a geographically separate location and is used to increase data availability. Remote backup systems are typically log-based and can be classified into 2-safe and 1-safe, depending on whether transactions commit at both sites simultaneously or they first commit at the primary and are later propagated to the backup. We have built an experimental database system on which we evaluated the performance of the epoch algorithm, a 1-safe ...

28 Management of a remote backup copy for disaster recovery
Richard P. King, Nagui Halim, Hector Garcia-Molina, Christos A. Polyzois
May 1991 **ACM Transactions on Database Systems (TODS)**, Volume 16 Issue 2

Full text available: pdf(2.48 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

A remote backup database system tracks the state of a primary system, taking over transaction processing when disaster hits the primary site. The primary and backup sites are physically isolated so that failures at one site are unlikely to propogate to the other. For correctness, the execution schedule at the backup must be equivalent to that at the primary. When the primary and backup sites contain a single processor, it is easy to achieve this property. However, this is harder to do when ...

Keywords: database initialization, hot spare, hot standby, remote backup

29 <u>Documentation tools: Documentation meets version control: an automated backup system for HTML-based help</u>

Robin Green

September 2000 **Proceedings of IEEE professional communication society international professional communication conference and Proceedings of the 18th annual ACM international conference on Computer documentation: technology & teamwork**

Full text available: pdf(449.11 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>

Software developers have used version control systems for years, to manage source code changes and to enable them to reproduce any given level of their software from the source code that created it. Most writing departments, however, tend to perform full-scale weekly backups at best, or tempt fate at worst. The two major reasons for this neglect of document version control are lack of adequate tools and the effort required by writers to deal with the inadequate tools presently available. This pa ...

30 <u>Backup Strategy</u>

Malcolm Murphy

February 1996 **Linux Journal**

Full text available: html(14.98 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>index terms</u>

Malcolm tells us which files to backup and how often

31 <u>Computer backup pools, disaster recovery, and default risk</u>

Yehuda Kahane, Seev Neumann, Charles S. Tapiero

January 1988 **Communications of the ACM**, Volume 31 Issue 1

Full text available: pdf(688.36 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>, <u>review</u>

There is a growing popularity of computer backup pools, where a few members share the ownership, or right for service, of a computer center. Such a center stands by to provide for the lost computing capacity of a member suffering a computer breakdown and disaster recovery. The efficiency of such a solution may be examined from various points of view, such as costs, response time, reliability etc. We focus on the reliability of such an arrangement. Two types of default risks are discussed: t ...

32 <u>Local loop ISDN dial backup for frame relay</u>

Eugene H. Wolf

March 1998 **International Journal of Network Management**, Volume 8 Issue 2

Full text available: pdf(64.00 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>index terms</u>

Corporations using FR services increasingly require access-line resiliency to their major carrier, and the carriers are, in return, offering a committment to an increased level of service. This article discusses a way of assuring that this service . This article discusses a way of assuring that this service can be achieved. © 1998 John Wiley & Sons, Ltd.

33 Comparison of Backup Products ☐
Charles Curley
October 2000 **Linux Journal**

Full text available: 🖺 html(24.81 KB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>index terms</u>

34 Review: Arkeia 5.2 network backup ☐
Dan Wilder
July 2004 **Linux Journal**, Volume 2004 Issue 123

Full text available: 🖺 html(14.54 KB)   Additional Information: <u>full citation</u>

35 Distributed computation of shared backup path in mesh optical networks using probabilistic methods ☐
Eric Bouillet, Jean-François Labourdette
October 2004 **IEEE/ACM Transactions on Networking (TON)**, Volume 12 Issue 5

Full text available: 🖺 pdf(816.43 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

We assess the benefits of using statistical techniques to ascertain the shareability of protection channels when computing shared-mesh restored lightpaths in optical mesh networks. These optical networks support wavelength conversion everywhere as a byproduct of the electronic nature of the switching in the optical-electronic-optical optical cross connect used. Current deterministic approaches require a detailed level of information proportional to the number of active lightpaths. Although th ...

Keywords: mesh protection, optical networks, optical switching, performance analysis, probabilistic algorithm

36 A Linux-Based Automatic Backup System ☐
Michael O'Brien
November 2000 **Linux Journal**

Full text available: 🖺 html(12.15 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

A step-by-step procedure for establishing a backup system that will save time and money.

37 Unix Backup and Recovery ☐
Charles Curley
October 2000 **Linux Journal**

Full text available: 🖺 html(7.33 KB)   Additional Information: <u>full citation</u>, <u>index terms</u>

38 Collaborative backup for dependable mobile applications ☐
Marc-Olivier Killijian, David Powell, Michel Banâtre, Paul Couderc, Yves Roudier
October 2004 **Proceedings of the 2nd workshop on Middleware for pervasive and ad-hoc computing**

Full text available: 🖺 pdf(265.85 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

We describe the work we are conducting on new middleware services for dependable and secure mobile systems. This work is based on approaches à la peer-to-peer in order to circumvent the problems introduced by the lack of infrastructure in self-organizing networks of mobile nodes, such as MANETs. The mechanisms we propose are based on collaboration

between peer mobile devices to provide middleware services such as trust management and critical data storage. This short paper gives a brie ...

Keywords: collaboration, data back-up, mobile applications

39 BA session: networks graphs and network algorithms: Brief announcement: an incremental algorithm for calculation of backup-paths in link-state networks
Pierre Fransson, Lenka Carr-Motyčková
July 2004 **Proceedings of the twenty-third annual ACM symposium on Principles of distributed computing**
Full text available: pdf(40.07 KB)   Additional Information: full citation, index terms

Keywords: backup-paths, link-state networks, routing

40 Comparing primary-backup and state machines for crash failures
Jeremy B. Sussman, Keith Marzullo
May 1996 **Proceedings of the fifteenth annual ACM symposium on Principles of distributed computing**
Full text available: pdf(138.02 KB)   Additional Information: full citation, references, index terms

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41 Process backup in producer-consumer systems   ☐
David L. Russell
November 1977 **Proceedings of the sixth ACM symposium on Operating systems principles**

Full text available: 📄 pdf(613.51 KB)   Additional Information: full citation, abstract, references, citings, index terms

System state restoration after detection of an error is discussed for producer-consumer systems, with emphasis on the control of the domino effect. Recovery primitives MARK, RESTORE, and PURGE are proposed that, in conjunction with the use of SEND-RECEIVE interprocess communication primitives, allow bounds to be placed on the amount of unnecessary restoration that can occur as a result of system state restoration.

Keywords: Asynchronous programming, Domino effect, Error recovery, Interprocess communication, Message facilities, Software fault tolerance, State restoration

42 Data base integrity and protection: Optimal policy for batch operations: backup, checkpointing, reorganization, and updating   ☐
Guy M. Lohman, John A. Muckstadt
August 1977 **Proceedings of the 1977 ACM SIGMOD international conference on Management of data**
Full text available: 📄 pdf(77.24 KB)   Additional Information: full citation, abstract

Many database maintenance operations are performed periodically in batches, even in real-time systems. The purpose of this paper is to present a general model for determining the optimal frequency of these batch operations. Specifically, optimal backup, checkpointing, batch updating, and reorganization policies are derived. The approach used exploits inventory parallels, by seeking the optimal number of items --- rather than a time interval --- to trigger a batch. The Renewal Reward Theorem is u ...

Keywords: backup frequency, batch operations, batch update, checkpoint interval, database maintenance, file reorganization, inventory theory, real-time systems, renewal theory

43 Backing Up in Linux: Prep yourself and your system for tape drive backups   ☐
Yusuf Nagree

February 1996 **Linux Journal**
Full text available: [htmI] html(16.23 KB)   Additional Information: <u>full citation</u>, <u>index terms</u>

44 <u>Active client primary-backup protocols</u>   ☐
Parvathi Chundi, Ragini Narasimhan, Daniel J. Rosenkrantz, S. S. Ravi
August 1995 **Proceedings of the fourteenth annual ACM symposium on Principles of distributed computing**
Full text available: [pdf] <u>pdf(109.42 KB)</u>   Additional Information: <u>full citation</u>, <u>references</u>, <u>index terms</u>

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1 Industrial sessions: beyond relational tables: Coordinating backup/recovery and data consistency between database and file systems ◪

Suparna Bhattacharya, C. Mohan, Karen W. Brannon, Inderpal Narang, Hui-I Hsiao, Mahadevan Subramanian

June 2002 **Proceedings of the 2002 ACM SIGMOD international conference on Management of data**

Full text available: 📄 pdf(1.44 MB)   Additional Information: full citation, abstract, references, index terms

Managing a combined store consisting of database data and file data in a robust and consistent manner is a challenge for database systems and content management systems. In such a hybrid system, images, videos, engineering drawings, etc. are stored as files on a file server while meta-data referencing/indexing such files is created and stored in a relational database to take advantage of efficient search. In this paper we describe solutions for two potentially problematic aspects of such a data ...

Keywords: DB2, content management, database backup, database recovery, datalinks

2 ARIES: a transaction recovery method supporting fine-granularity locking and partial rollbacks using write-ahead logging ☐

C. Mohan, Don Haderle, Bruce Lindsay, Hamid Pirahesh, Peter Schwarz

March 1992 **ACM Transactions on Database Systems (TODS)**, Volume 17 Issue 1

Full text available: 📄 pdf(5.23 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

DB2TM, IMS, and TandemTM systems. ARIES is applicable not only to database management systems but also to persistent object-oriented languages, recoverable file systems and transaction-based operating systems. ARIES has been implemented, to varying degrees, in IBM's OS/2TM Extended Edition Database Manager, DB2, Workstation Data Save Facility/VM, Starburst and QuickSilver, and in the University of Wisconsin's EXODUS and Gamma d ...

Keywords: buffer management, latching, locking, space management, write-ahead logging

3 System R: relational approach to database management ☐

M. M. Astrahan, M. W. Blasgen, D. D. Chamberlin, K. P. Eswaran, J. N. Gray, P. P. Griffiths, W.

F. King, R. A. Lorie, P. R. McJones, J. W. Mehl, G. R. Putzolu, I. L. Traiger, B. W. Wade, V. Watson
June 1976 **ACM Transactions on Database Systems (TODS)**, Volume 1 Issue 2

Full text available: pdf(3.18 MB)   Additional Information: full citation, abstract, references, citings, index terms

System R is a database management system which provides a high level relational data interface. The systems provides a high level of data independence by isolating the end user as much as possible from underlying storage structures. The system permits definition of a variety of relational views on common underlying data. Data control features are provided, including authorization, integrity assertions, triggered transactions, a logging and recovery subsystem, and facilities for maintaining ...

Keywords: authorization, data structures, database, index structures, locking, nonprocedural language, recovery, relational model

4 The Recovery Manager of the System R Database Manager
Jim Gray, Paul McJones, Mike Blasgen, Bruce Lindsay, Raymond Lorie, Tom Price, Franco Putzolu, Irving Traiger
June 1981 **ACM Computing Surveys (CSUR)**, Volume 13 Issue 2

Full text available: pdf(1.75 MB)   Additional Information: full citation, references, citings, index terms

5 A database cache for high performance and fast restart in database systems
Klaus Elhardt, Rudolf Bayer
December 1984 **ACM Transactions on Database Systems (TODS)**, Volume 9 Issue 4

Full text available: pdf(1.72 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

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6 Recovery management in QuickSilver
Rober Haskin, Yoni Malachi, Gregory Chan
February 1988 **ACM Transactions on Computer Systems (TOCS)**, Volume 6 Issue 1

Full text available: pdf(2.21 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

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7 Appendix: On totally ordering checkpoints in distributed data bases
Herbert Kuss
June 1982 **Proceedings of the 1982 ACM SIGMOD international conference on Management of data**
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Two-phase commit techniques to achieve atomicity of transactions in distributed database systems have been widely presented in the past. Less attention in comparison with this technique has been payed to the problem of "cold restart". To this problem we present a solution which has as its main properties:- low communication overhead and only partial cooperation between transaction managers during normal operation of the distributed system are required when making provisions to cope with cold res ...

8 Distributed, object-based programming systems

Roger S. Chin, Samuel T. Chanson
March 1991 **ACM Computing Surveys (CSUR)**, Volume 23 Issue 1

Full text available: pdf(2.97 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

The development of distributed operating systems and object-based programming languages makes possible an environment in which programs consisting of a set of interacting modules, or objects, may execute concurrently on a collection of loosely coupled processors. An object-based programming language encourages a methodology for designing and creating a program as a set of autonomous components, whereas a distributed operating system permits a collection of workstations or personal computers ...

Keywords: capability scheme, distributed operating systems, error recovery, method invocation, nested transaction, object model, object reliability, object-based programming languages, processor allocation, resource management, synchronization, transaction

9 An efficient and flexible method for archiving a data base

C. Mohan, Inderpal Narang
June 1993 **ACM SIGMOD Record , Proceedings of the 1993 ACM SIGMOD international conference on Management of data**, Volume 22 Issue 2

Full text available: pdf(969.13 KB)   Additional Information: full citation, abstract, references, citings, index terms

We describe an efficient method for supporting incremental and full archiving of data bases (e.g., individual files). Customers archive their data bases quite frequently to minimize the duration of data outage. Because of the growing sizes of data bases and the ever increasing need for high availability of data, the efficiency of the archive copy utility is very important. The method presented here minimizes interferences with concurrent transactions by not acquiring any locks on the data b ...

10 Efficient instruction scheduling using finite state automata

Vasanth Bala, Norman Rubin
December 1995 **Proceedings of the 28th annual international symposium on Microarchitecture**

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11 Research sessions: indexing and tuning: Transaction support for indexed summary views

Goetz Graefe, Michael Zwilling
June 2004 **Proceedings of the 2004 ACM SIGMOD international conference on Management of data**

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Materialized views have become a standard technique for performance improvement in decision support databases and for a variety of monitoring purposes. In order to avoid inconsistencies and thus unpredictable query results, materialized views and their indexes

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12 Main memory database recovery
Margaret H. Eich
November 1999 **Proceedings of 1986 ACM Fall joint computer conference**

Full text available: pdf(794.07 KB)   Additional Information: full citation, references, citings, index terms

13 Zones, contracts and absorbing changes: an approach to software evolution
Huw Evans, Peter Dickman
October 1999 **ACM SIGPLAN Notices , Proceedings of the 14th ACM SIGPLAN conference on Object-oriented programming, systems, languages, and applications**, Volume 34 Issue 10

Full text available: pdf(2.46 MB)   Additional Information: full citation, abstract, references, citings, index terms

This paper describes a novel approach to managing the evolution of distributed, persistent systems at run-time. This is achieved by partitioning a system into disjoint zones, each of which can be evolved without affecting code in any other. Contracts are defined between zones, making type-level interdependencies and inter-zone communication explicit. Programmer supplied code is added to the running system, at the boundary between zones, to constrain the sco ...

14 Experience Using Multiprocessor Systems—A Status Report
Anita K. Jones, Peter Schwarz
June 1980 **ACM Computing Surveys (CSUR)**, Volume 12 Issue 2

Full text available: pdf(4.48 MB)   Additional Information: full citation, references, citings, index terms

15 IBM's relational DBMS products: features and technologies
C. Mohan
June 1993 **ACM SIGMOD Record , Proceedings of the 1993 ACM SIGMOD international conference on Management of data**, Volume 22 Issue 2

Full text available: pdf(535.42 KB)   Additional Information: full citation, abstract, references, citings, index terms

This paper very briefly summarizes the features and technologies implemented in the IBM relational DBMS products. The topics covered include record and index management, concurrency control and recovery methods, commit protocols, query optimization and execution techniques, high availability and support for parallelism and distributed data. Some indications of likely future product directions are also given.

16 Incremental attribute evaluation in distributed language-based environments
Simon M Kaplan, Gail E Kaiser
November 1986 **Proceedings of the fifth annual ACM symposium on Principles of distributed computing**

Full text available: pdf(632.67 KB)   Additional Information: full citation, references, citings, index terms

17 SafetyNet: improving the availability of shared memory multiprocessors with global checkpoint/recovery

Daniel J. Sorin, Milo M. K. Martin, Mark D. Hill, David A. Wood
May 2002 **ACM SIGARCH Computer Architecture News**, Volume 30 Issue 2

Full text available: pdf(1.28 MB) Publisher Site   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

We develop an availability solution, called *SafetyNet,* that uses a unified, lightweight checkpoint/recovery mechanism to support multiple long-latency fault detection schemes. At an abstract level, *SafetyNet* logically maintains multiple, globally consistent checkpoints of the state of a shared memory multiprocessor (i.e., processors, memory, and coherence permissions), and it recovers to a pre-fault checkpoint of the system and re-executes if a fault is detected. *SafetyNet* e ...

Keywords: availability, shared memory, multiprocessor

18 <u>Concurrency control in groupware systems</u>
C. A. Ellis, S. J. Gibbs
June 1989 **ACM SIGMOD Record , Proceedings of the 1989 ACM SIGMOD international conference on Management of data**, Volume 18 Issue 2

Full text available: pdf(1.22 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

Groupware systems are computer-based systems that support two or more users engaged in a common task, and that provide an interface to a shared environment. These systems frequently require fine-granularity sharing of data and fast response times. This paper distinguishes real-time groupware systems from other multi-user systems and discusses their concurrency control requirements. An algorithm for concurrency control in real-time groupware systems is then presented. The advantages of this ...

19 <u>Algorithms for creating indexes for very large tables without quiescing updates</u>
C. Mohan, Inderpal Narang
June 1992 **ACM SIGMOD Record , Proceedings of the 1992 ACM SIGMOD international conference on Management of data**, Volume 21 Issue 2

Full text available: pdf(1.31 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

As relational DBMSs become more and more popular and as organizations grow, the sizes of individual tables are increasing dramatically. Unfortunately, current DBMSs do not allow updates to be performed on a table while an index (e.g., a B+-tree) is being built for that table, thereby decreasing the systems' availability. This paper describes two algorithms in order to relax this restriction. Our emphasis has been to maximize concurrency, minimize overheads and cover all ...

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Linux Journal Staff
April 2004 **Linux Journal**, Volume 2004 Issue 120

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21 Specification-based testing of reactive software: tools and experiments: experience report   ☐
Lalita Jategaonkar Jagadeesan, Adam Porter, Carlos Puchol, J. Christopher Ramming, Lawrence G. Votta
May 1997 **Proceedings of the 19th international conference on Software engineering**

Full text available: 📄 pdf(1.79 MB)   Additional Information: full citation, references, citings, index terms

Keywords: empirical studies, reactive systems, specification-based testing, temporal logic

22 Integrating pointer variables into one-way constraint models   ☐
Brad Vander Zanden, Brad A. Myers, Dario A. Giuse, Pedro Szekely
June 1994 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 1 Issue 2

Full text available: 📄 pdf(3.71 MB)   Additional Information: full citation, abstract, references, citings, index terms

Pointer variables have long been considered useful for constructing and manipulating data structures in traditional programming languages. This article discusses how pointer variables can be integrated into one-way constraint models and indicates how these constraints can be usefully employed in user interfaces. Pointer variables allow constraints to model a wide array of dynamic application behavior, simplify the implementation of structured objects and demonstrational systems, and improve ...

Keywords: Garnet, constraints, development tools, incremental algorithms

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1 ARIES: a transaction recovery method supporting fine-granularity locking and partial rollbacks using write-ahead logging
C. Mohan, Don Haderle, Bruce Lindsay, Hamid Pirahesh, Peter Schwarz
March 1992 **ACM Transactions on Database Systems (TODS)**, Volume 17 Issue 1

Full text available: pdf(5.23 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

DB2TM, IMS, and TandemTM systems. ARIES is applicable not only to database management systems but also to persistent object-oriented languages, recoverable file systems and transaction-based operating systems. ARIES has been implemented, to varying degrees, in IBM's OS/2TM Extended Edition Database Manager, DB2, Workstation Data Save Facility/VM, Starburst and QuickSilver, and in the University of Wisconsin's EXODUS and Gamma d ...

Keywords: buffer management, latching, locking, space management, write-ahead logging

2 Experience Using Multiprocessor Systems—A Status Report
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June 1980 **ACM Computing Surveys (CSUR)**, Volume 12 Issue 2
Full text available: pdf(4.48 MB)   Additional Information: full citation, references, citings, index terms

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4 <u>System R: relational approach to database management</u>
M. M. Astrahan, M. W. Blasgen, D. D. Chamberlin, K. P. Eswaran, J. N. Gray, P. P. Griffiths, W. F. King, R. A. Lorie, P. R. McJones, J. W. Mehl, G. R. Putzolu, I. L. Traiger, B. W. Wade, V. Watson
June 1976 **ACM Transactions on Database Systems (TODS)**, Volume 1 Issue 2

Full text available: pdf(3.18 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

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December 1984 **ACM Transactions on Database Systems (TODS)**, Volume 9 Issue 4

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June 1981 **ACM Computing Surveys (CSUR)**, Volume 13 Issue 2

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7 <u>Two techniques for on-line index modification in shared nothing parallel databases</u>
Kiran J. Achyutuni, Edward Omiecinski, Shamkant B. Navathe
June 1996 **ACM SIGMOD Record , Proceedings of the 1996 ACM SIGMOD international conference on Management of data**, Volume 25 Issue 2

Full text available: pdf(1.26 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

Whenever data is moved across nodes in the parallel database system, the indexes need to be modified too. Index modification overhead can be quite severe because there can be a large number of indexes on a relation. In this paper, we study two alternatives to index modification, namely OAT (One-At-a-Time page movement) and BULK (bulk page movement). OAT and BULK are two extremes on the spectrum of the granularity of data movement. OAT and BULK differ in two respects: first, OAT uses very little ...

8 <u>Zones, contracts and absorbing changes: an approach to software evolution</u>
Huw Evans, Peter Dickman

October 1999 **ACM SIGPLAN Notices , Proceedings of the 14th ACM SIGPLAN conference on Object-oriented programming, systems, languages, and applications**, Volume 34 Issue 10

Full text available: pdf(2.46 MB)   Additional Information: full citation, abstract, references, citings, index terms

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9 Main memory database recovery   ☐
Margaret H. Eich
November 1999 **Proceedings of 1986 ACM Fall joint computer conference**

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10 Industrial sessions: beyond relational tables: Coordinating backup/recovery and data   ☐
consistency between database and file systems
Suparna Bhattacharya, C. Mohan, Karen W. Brannon, Inderpal Narang, Hui-I Hsiao, Mahadevan Subramanian
June 2002 **Proceedings of the 2002 ACM SIGMOD international conference on Management of data**

Full text available: pdf(1.44 MB)   Additional Information: full citation, abstract, references, index terms

Managing a combined store consisting of database data and file data in a robust and consistent manner is a challenge for database systems and content management systems. In such a hybrid system, images, videos, engineering drawings, etc. are stored as files on a file server while meta-data referencing/indexing such files is created and stored in a relational database to take advantage of efficient search. In this paper we describe solutions for two potentially problematic aspects of such a data ...

Keywords: DB2, content management, database backup, database recovery, datalinks

11 Distributed, object-based programming systems   ☐
Roger S. Chin, Samuel T. Chanson
March 1991 **ACM Computing Surveys (CSUR)**, Volume 23 Issue 1

Full text available: pdf(2.97 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

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12 Research sessions: indexing and tuning: Transaction support for indexed summary

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Goetz Graefe, Michael Zwilling
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13 An architecture for automatic relational database sytem conversion
Ben Shneiderman, Glenn Thomas
June 1982 **ACM Transactions on Database Systems (TODS)**, Volume 7 Issue 2

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Changes in requirements for database systems necessitate schema restructuring, database translation, and application or query program conversion. An alternative to the lengthy manual revision process is proposed by offering a set of 15 transformations keyed to the relational model of data and the relational algebra. Motivations, examples, and detailed descriptions are provided.

Keywords: automatic conversion, database systems, relational model, transformations

14 Using a multi-level design method under DOD-STD-2167A
Nancy R. Mead, Roger J. Lockhart
July 1989 **Proceedings of the sixth Washington Ada symposium on Ada**

Full text available: pdf(981.06 KB)   Additional Information: full citation, references, citings, index terms

15 The semantic foundations of concurrent constraint programming
Vijay A. Saraswat, Martin Rinard, Prakash Panangaden
January 1991 **Proceedings of the 18th ACM SIGPLAN-SIGACT symposium on Principles of programming languages**
Full text available: pdf(2.33 MB)   Additional Information: full citation, references, citings, index terms

16 Implementing an on-the-fly garbage collector for Java
Tamar Domani, Elliot K. Kolodner, Ethan Lewis, Eliot E. Salant, Katherine Barabash, Itai Lahan, Yossi Levanoni, Erez Petrank, Igor Yanorer
October 2000 **ACM SIGPLAN Notices , Proceedings of the 2nd international symposium on Memory management**, Volume 36 Issue 1
Full text available: pdf(1.33 MB)   Additional Information: full citation, abstract, citings, index terms

Java uses garbage collection (GC) for the automatic reclamation of computer memory no longer required by a running application. GC implementations for Java Virtual Machines (JVM) are typically designed for single processor machines, and do not necessarily perform well for a server program with many threads running on a multiprocessor. We designed and implemented an on-the-fly GC, based on the algorithm of Doligez, Leroy and Gonthier [13, 12] (DLG), for Java in this environment. An *on-the-f ...*

Keywords: Java, concurrent garbage collection, garbage collection, memory management, on-the-fly garbage collection, programming languages

17 <u>Algorithms for creating indexes for very large tables without quiescing updates</u>
C. Mohan, Inderpal Narang
June 1992 **ACM SIGMOD Record , Proceedings of the 1992 ACM SIGMOD international conference on Management of data**, Volume 21 Issue 2

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18 <u>Ad hoc networks: SSCH: slotted seeded channel hopping for capacity improvement in IEEE 802.11 ad-hoc wireless networks</u>
Paramvir Bahl, Ranveer Chandra, John Dunagan
September 2004 **Proceedings of the 10th annual international conference on Mobile computing and networking**

Full text available: <u>pdf(326.61 KB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

Capacity improvement is one of the principal challenges in wireless networking. We present a link-layer protocol called Slotted Seeded Channel Hopping, or SSCH, that increases the capacity of an IEEE 802.11 network by utilizing frequency diversity. SSCH can be implemented in software over an IEEE 802.11-compliant wireless card. Each node using SSCH switches across channels in such a manner that nodes desiring to communicate overlap, while disjoint communications mostly do not overlap, and hence ...

Keywords: ad-hoc wireless networks, channel assignment, frequency diversity, medium access control, pseudo-randomness, scheduling

19 <u>Concurrency control in groupware systems</u>
C. A. Ellis, S. J. Gibbs
June 1989 **ACM SIGMOD Record , Proceedings of the 1989 ACM SIGMOD international conference on Management of data**, Volume 18 Issue 2

Full text available: <u>pdf(1.22 MB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

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After using the "snapmirror **quiesce**" and "snapmirror break" commands to **split** ...
www.netapp.com/tech_library/ftp/3324.pdf - Similar pages

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"backup" and split primary, quiesce, map, upda | Search | Advanced Search
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The **"AND"** operator is unnecessary – we include all search terms by default. [details]

Web   Results **11 - 20** of about **266** for **"backup" and split primary, quiesce, map, update**. (**0.15** seconds)

Release 8.0 New Features and Options
... **primary** key snapshots, which allow faster snapshot refresh after a table ...
which is easier to administer; and fine-grain **quiesce**, which allows an ...
lbd.epfl.ch/f/teaching/courses/ oracle8i/server.815/a68020/ch3.htm - 47k - Cached - Similar pages

[PDF] 04-338v1 FAIS Glossary 3.fm
File Format: PDF/Adobe Acrobat - View as HTML
... The **primary** functions supported by the fast path are dynamic LBA ... A technique
for reducing the time required to synchronize a **split** mirror with the ...
www.t11.org/ftp/t11/pub/sm/fais/04-338v1.pdf - Similar pages

[PDF] 04-393v2 FAIS conventions and glossary.fm
File Format: PDF/Adobe Acrobat - View as HTML
... shares unmodified storage with its source), but over time becomes a **split** ...
1.1.45 **Quiesce**: An operation sent from FAIS Client to Provider marking the ...
www.t11.org/ftp/t11/pub/sm/fais/04-393v2.pdf - Similar pages

[PDF] Oracle7 Server
File Format: PDF/Adobe Acrobat - View as HTML
... Full DB "begin **backup**" command for faster mirror **split**. ... log **updates** directly
from the **primary** to the standby database. This provides a ...
www.oracle.com/technology/deploy/availability/ pdf/BWP_HA_Oracle_Database_10gR1_111503.pdf -
Similar pages

What's New in Oracle9i?
... The ALTER SYSTEM **QUIESCE** RESTRICTED statement places a database into a ...
Generating SQL_REDO and SQL_UNDO with **primary** key information for **update** s. ...
www.stanford.edu/dept/itss/docs/ oracle/9i/server.920/a96521/whatsnew.htm - 64k - Cached - Similar pages

Method for physical **backup** in data logical order - US Patent 6804690
... At the point, the **backup** system will **split** the mirrors within the data ...
case of a mirrored **backup**), and un-**quiesce** the data on the host 12, step 35. ...
www.patentstorm.us/patents/6804690.html - 43k - Cached - Similar pages

Sybase ASE Versions Evolution
... Suspending database **updates** with **quiesce** database command. User may want to
suspend database **updates** to use external database **backup** utility, ...
www.ispirer.com/doc/sqlways38/Output/SQLWays-1-173.html - 48k - Cached - Similar pages

[PDF] CommV ault Systems White Paper CommVault Galaxy **Backup** & Recovery
File Format: PDF/Adobe Acrobat
... among multiple **backup** systems. Unlike more elementary SCSI reserve and release
... Manually shutdown/**quiesce** the application through the appropriate ...
www.xsi.com.au/products/pdf/galaxy**backup**andrecovery.pdf - Similar pages

Sybase Inc - New ASE Error Message Writeups
... **QUIESCE** DATABASE allows you to unlink mirrors or **back up** devices at the ...
QUIESCE DATABASE HOLD establishes a **quiesce** point and prevents **updates** in ...

www.sybase.com/detail?id=1001850 - 188k - <u>Cached</u> - <u>Similar pages</u>

[PDF] <u>Bulletin of the Technical Committee on June, 1996 Vol. 19 No. 2 ...</u>
File Format: PDF/Adobe Acrobat - <u>View as HTML</u>
... copy recent writing from the **primary** copy to the **backup** copy, while users ...
with the writing of the **primary** copy, **quiesce** writing of the **primary** copy, ...
sites.computer.org/debull/96JUN-CD.pdf - <u>Similar pages</u>

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InterSystems Caché - Release Notes
... query fields which were defined as part of an actual **PRIMARY** KEY index. ...
Quiesce on global **updates** instead of global accesses in CLRINC & **BACKUP** ...
www.intersystems.com/cache/technology/ product-tables/releasenotes/c41x/ - 173k - Cached - Similar pages

[PDF] VERITAS FlashSnap Point-In-Time Copy Solutions
File Format: PDF/Adobe Acrobat - View as HTML
... on the **primary** host. Note that the Disk Group **Split**/Join functionality is not
used. ... or databases from suspend, hot **backup** or **quiesce** mode: ...
www.filibeto.org/sun/lib/ nonsun/veritas/vxvm/3.5/248607.pdf - Similar pages

[PDF] Sun StorEdge A7000 Remote Dual Copy System Administrator's Guide
File Format: PDF/Adobe Acrobat - View as HTML
... When the **primary** subsystem destages **updates** to disk, RDC requests ...
Quiesce the workload of the **primary** volumes to ensure a clear ...
www.sun.com/products-n-solutions/ hardware/docs/pdf/805-4600-11.pdf - Similar pages

[PS] Bulletin of the Technical Committee on Data Engineering June, 1996 ...
File Format: Adobe PostScript - View as Text
... facility to copy recent writing from the **primary** copy to the **backup** copy, ...
has caught up with the writing of the **primary** copy, **quiesce** writing of the ...
sites.computer.org/debull/june96-A4draft.ps - Similar pages

What's New in Adaptive Server Enterprise?
... You might use this feature, for example, to **split** a large table into subtables.
... **quiesce** database ...hold allows you to delay **updates** to one or more ...
manuals.sybase.com/onlinebooks/group-as/ asg1250e/whatsnew/@Generic__BookTextView/445 - 28k -
Cached - Similar pages

ADM Messages
... The attempt to acquire and reset the phantom **quiesce** state for table space
... be recreated from a **backup** image or **split** mirror of the **primary** database. ...
publib.boulder.ibm.com/infocenter/ db2help/topic/com.ibm.db2.udb.doc/core/r0admmsg.htm - 128k -
Cached - Similar pages

[PDF] Red books
File Format: PDF/Adobe Acrobat - View as HTML
... Space **map update** tracking - The TRACKMOD option of the CREATE TABLESPACE and
... **primary** and **backup** copy data sets for the image copy at the local site. ...
www.redbooks.ibm.com/redpapers/pdfs/redp3960.pdf - Similar pages

[PDF] DB2 for OS/390 Version 6 Migration
File Format: PDF/Adobe Acrobat - View as HTML
... Faster **backup** and recovery with COPY and RECOVER which can now process a list
... **Primary** allocation. Quantity. PROTECT=NO,. RACF Protection. **QUIESCE=5,** ...
www.quest-pipelines.com/pipelines/ db2/archives/V6Migration.pdf - Similar pages

[PDF] DECUS Symposium München DECUS Symposium München Berlin 2001 Berlin ...

File Format: PDF/Adobe Acrobat - <u>View as HTML</u>
... Split. BCV1. BCV2. BCV3. 38. Multiple **backup** copies online ... **Quiesce** application
if required. Establish SnapView instance containing. the **backup** image ...
www.decus.de/slides/sy2001/vortraege_2404/1e04.pdf - <u>Similar pages</u>

<u>Koders - SynHighlighterSQL.pas</u>

... + 'precision,preorder,prepare,preserve,**primary**,print,prior,private,' + ...
+ '**quiesce**,raiserror,read,readpast,readtext,real,reconfigure,recursive,' + ...
www.koders.com/delphi/ fid7E241D285517637A3A4D83B4729A3FAD44CCA6D3.aspx - 101k -
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"backup" and split primary, quiesce,   Search

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Web   Results **31 - 40** of about **266** for **"backup" and split primary, quiesce, map, update**. (**0.12** seconds)

Volume Managers in Linux
... Snapshots provide an efficient way to **backup** an image of any file system ...
Databases often have hooks which can be used to **quiesce** them momentarily ...
www.usenix.org/event/usenix01/ freenix01/full_papers/teigland/teigland_html/ - 49k - <u>Cached</u> - <u>Similar pages</u>

LVM HOWTO
... Each logical volume is **split** into chunks of data, known as logical extents.
... should be used to **quiesce** the filesystem before creating the snapshot. ...
www.faqs.org/docs/Linux-HOWTO/LVM-HOWTO.html - 169k - <u>Cached</u> - <u>Similar pages</u>

Advanced functions for storage subsystems: Supporting continuous ...
... a database hot **backup** mode is used to **quiesce** the application (that is, ...
at the **primary** site to the secondary site; this may include **updates** that ...
www.research.ibm.com/journal/sj/422/azagury.html - 65k - <u>Cached</u> - <u>Similar pages</u>

Wait Event Enhancements in Oracle 10g
... This will cause the trace data to be **split** over multiple files. ... wait for
possible **quiesce** finish, Administrative. wait for record **update**, Other ...
www.dbspecialists.com/ presentations/wait_events_10g.html - 139k - <u>Cached</u> - <u>Similar pages</u>

[PDF] Untitled
File Format: PDF/Adobe Acrobat - <u>View as HTML</u>
... Full DB —begin **backup**" command for faster mirror **split** ... Instantiation of
logical standby with no **quiesce** of. **primary**. Generic Data Guard Enhancements ...
download.oracle.com/oowsf2004/1261.pdf - <u>Similar pages</u>

[PPT] Oracle 9i - Nouvelles Fonctionnalités
File Format: Microsoft Powerpoint 97 - <u>View as HTML</u>
... INSERT/**UPDATE** conditionnel : fait un **UPDATE** si la ligne existe, ... la base
est **QUIESCE**. Haute disponilité et Restauration **Backup** & Recovery : RMAN ...
www.produits.amue.fr/Oracle_9i_Java/ 9iR2-Nouvelles_Fonctionnalites.ppt - <u>Similar pages</u>

McCusker June 2002 | ogres are like onions
... The Mac community seems to be pretty evenly **split** between IE, ... which allows
the VM to **quiesce** itself at any time by returning to the VM's caller. ...
www.treedragon.com/ged/**map**/ti/newJun02.htm - 308k - <u>Cached</u> - <u>Similar pages</u>

Common Questions and Misconceptions - LinuxQuestions.org Wiki
... Somewhat like a **split** personality, one computer can run two operating ...
and for the same reason, to **quiesce** in-flight activity in an orderly manner. ...
wiki.linuxquestions.org/wiki/ Common_Questions_and_Misconceptions - 81k - Apr 12, 2005 -
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Freshpatents.com: Patent Applications **Updated** Each Week, RSS ...
... into your RSS reader/aggregator or website to track weekly **updates**. ...
of a stored vector **map** covering the geographic area covered by all of the FEMA . ...
www.freshpatents.com/ - 26k - Apr 12, 2005 - <u>Cached</u> - <u>Similar pages</u>

Caché 5.0.3 Release Notes
... Drop FKey should rebuild the **Primary** Key Index if collation changes ...
The result of this is that the system will not **quiesce** which means that BACKUPs ...
www.intersystems.com/cache/technology/ product-tables/releasenotes/503/ - 262k - Cached - Similar pages

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Web　　Results **41 - 50** of about **266** for **"backup" and split primary, quiesce, map, update.** (0.17 seconds)

LVM HOWTO
Updated CVS locations and FTP links; Added section on extending a JFS ... 64 KB
for "/dev/ops/dbbackup" lvcreate – doing automatic **backup** of "ops" lvcreate ...
www.geniusweb.com/LDP/HOWTO/html_single/LVM-HOWTO/ - 223k - Cached - Similar pages

[PDF] DB2 UDB **Backup** and Recovery
File Format: PDF/Adobe Acrobat - View as HTML
... The snapshot image is used as **backup** image to restore over the **primary**.
database. ... the **primary** volume's storage server keeps track of all **updates** ...
www.redbooks.ibm.com/redbooks/pdfs/sg246557.pdf - Similar pages
[More results from www.redbooks.ibm.com]

LVM HOWTO
... Typically this would be used when some batch processing, a **backup** for ...
command should be used to **quiesce** the filesystem before creating the snapshot. ...
www.frech.ch/howto/HOWTO/html_single/LVM-HOWTO/ - 202k - Cached - Similar pages

DB2 Universal Database Information Center
... Installing a database partition server on the **primary** computer using the DB2
... a **split** mirror as a standby database; Using a **split** mirror as a **backup** ...
www.db2.jp/db2manual/en_US/nav.htm - 513k - Cached - Similar pages

[PDF] Oracle8 Getting to Know Oracle8 and the Oracle8 Enterprise Edition
File Format: PDF/Adobe Acrobat - View as HTML
... can also **split** and merge partitions easily to balance data among ...
and fine-grain **quiesce**, which allows an administrator to make schema-level ...
sunsite.eunnet.net/documentation/ oracle.8.0.4/server.804/a58228.pdf - Similar pages

[PDF] Using the IBM Enterprise Storage Using the IBM Enterprise Storage ...
File Format: PDF/Adobe Acrobat - View as HTML
... Alternatively, **quiesce** of I/O and flushing of buffers on **primary** host will result
... **Split** Mirror **Backup** SAP and Oracle/ Recovery. Redbooks ...
www.mvsoraclesig.org/2003presentations/ 12%20-%20IBM%20Shark%20short.pdf - Similar pages

[PDF] pSeries 690 Availability Best Practices White Paper
File Format: PDF/Adobe Acrobat - View as HTML
... The diskette must be a valid **backup** diskette. Refer to the **update** ... opposed to
Master/Slave) relationship in that there is no limiting **primary/backup** ...
www.nasi.com/pdfs/pSeries690availability.pdf - Similar pages

The contents of this file are subject to the Mozilla Public ...
... + '**PRIMARY**,PRIOR,PRIVATE_SGA,PRIVILEGES,PROCESSES,PROFILE,PUBLIC,QUERY,'
+ 'QUERY_REWRITE_ENABLED,QUERY_REWRITE_INTEGRITY,**QUIESCE**,QUOTA,' + ...
cvs.sourceforge.net/viewcvs.py/synedit/ SynEdit/Source/SynHighlighterSQL.pas?rev=1.41 - 77k -
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[RTF] newsletter 6 - June 1994
File Format: Rich Text Format - View as HTML

... backup and troubleshooting are appealing to many IT managers. ... with regards to its ability to **quiesce**, or freeze I/O, take a snapshot of the file ...
www.hpworks.org.uk/newsletter/ping-year-ago.rtf - Similar pages

Patch-ID# 112385-06 Keywords: security vxconfigd vxdmp vxio ...

... as SENA disks 4887356 (138553) CVM/SC30: Moving of **quiesce** ioctl to step1 ...
is dangerous (136404) No **primary** path failback happens with A/PG arrays. ...
thproxy.jinr.ru/pub/sunpatches/112385.readme - 97k - Cached - Similar pages

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... applicability for **Backup** and Recovery. **Primary** emphasis is on operations ...
Primary Image must be. copied to Resync. **Split** Mirror. Write operation ...
www.snia.org/education/tutorials/ fall2004/**backup**/data_protection_partII.pdf - Similar pages

[PDF] Add title here
File Format: PDF/Adobe Acrobat
... **Primary** Image must be. copied to Resync. **Split** Mirror. Write operation ...
Update snapshot index. 5. Allow write to complete. 6. Perform **backup** from ...
www.snia.org/education/tutorials/spr2004/
backup/Data_Protection_with_Storage_Networks_Part_II.pdf - Similar pages

[PDF] Storage Management for SAP and DB2 UDB: **Split** Mirror **Backup ...**
File Format: PDF/Adobe Acrobat - View as HTML
... **Updates** to a PPRC volume on the local or **primary** site (**primary** ... tablespaces,
such as ALTER TABLESPACE, **QUIESCE** TABLESPACE, **BACKUP**. DATABASE . ...
www.ibm.com/servers/storage/ solutions/sap/pdf/db2-sap-**split**mirror.pdf - Similar pages

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File Format: PDF/Adobe Acrobat - View as HTML
... The **primary** functions supported by the fast path are dynamic LBA re-**mapping**
... of each member **extent** of a disk array which uses striped. data **mapping**. ...
www.t11.org/ftp/t11/pub/sm/fais/04-338v1.pdf - Similar pages

[PDF] 04-393v2 FAIS conventions and glossary.fm
File Format: PDF/Adobe Acrobat - View as HTML
... 1.1.45 **Quiesce**: An operation sent from FAIS Client to Provider marking the
... to **map** virtual disk block addresses. to member **extent** block addresses. ...
www.t11.org/ftp/t11/pub/sm/fais/04-393v2.pdf - Similar pages

What's New in Oracle9i?
... The ALTER SYSTEM **QUIESCE** RESTRICTED statement places a database into a ...
Generating SQL_REDO and SQL_UNDO with **primary** key information for **update** s. ...
www.stanford.edu/dept/itss/docs/ oracle/9i/server.920/a96521/whatsnew.htm - 64k - Cached - Similar pages

LVM HOWTO
... eg. logical **extent** 1 could **map** onto physical **extent** 51 of PV1, ... up size to
physical **extent** boundary "752 MB" lvcreate – doing automatic **backup** of ...
www.faqs.org/docs/Linux-HOWTO/LVM-HOWTO.html - 169k - Cached - Similar pages

Method for physical **backup** in data logical order - US Patent 6804690
... At the point, the **backup** system will **split** the mirrors within the data ...
case of a mirrored **backup**), and un-**quiesce** the data on the host 12, step 35. ...
www.patentstorm.us/patents/6804690.html - 43k - Cached - Similar pages

Sybase Inc - New ASE Error Message Writeups
... **update** failed when allocating an **extent** for an APL table. ... In Version 12.0,

QUIESCE DATABASE allows you to unlink mirrors or **back up** devices at the ...
www.sybase.com/detail?id=1001850 - 188k - Cached - Similar pages

[PDF] Yukon-10g Comparison
File Format: PDF/Adobe Acrobat - View as HTML
... 8 blocks extents filled up and new block in empty or mixed **extent** allocated.
... performing hot **backup** via mirror **split**. It allows third party storage ...
www.wisdomforce.com/dweb/resources/ docs/MSSQL2005_ORACLE10g_compare.pdf - Similar pages

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Wait Event Enhancements in Oracle 10g
... **extent map** load/unlock, Other, group, file, **extent** ... wait for possible
quiesce finish, Administrative. wait for record **update**, Other ...
www.dbspecialists.com/ presentations/wait_events_10g.html - 139k - Cached - Similar pages

[PDF] VERITAS Database Edition 1.5 for Sybase
File Format: PDF/Adobe Acrobat - View as HTML
... The advantage is that **updates** to the FastResync **map** have little ... As files
are created and removed, the free **extent map** for an allocation unit changes ...
ftp.support.veritas.com/pub/support/ products/Database_Edition_for_Sybase/dbag_239832.pdf - Similar pages

[PDF] VERITAS NetBackup ServerFree Agent 4.5
File Format: PDF/Adobe Acrobat - View as HTML
... mirror to be "**split**" from the **primary**. As a result of the **split**, the mirror
... **backup** is initiated by master server, which tells the client to **map** the ...
www.sun.com/products-n-solutions/ hardware/docs/pdf/875-3461-10.pdf - Similar pages

[PDF] Netra ft 1800 User's Guide **Update**
File Format: PDF/Adobe Acrobat - View as HTML
... termed the secondary, is used as a **backup** in case the **primary** fails. ...
As it may not be possible to **quiesce** some devices, the **split**-mode software ...
www.sun.com/products-n-solutions/ hardware/docs/pdf/806-3826-10.pdf - Similar pages
[More results from www.sun.com]

InterSystems Caché - Release Notes
... query fields which were defined as part of an actual **PRIMARY** KEY index. ...
Quiesce on global **updates** instead of global accesses in CLRINC & **BACKUP** ...
www.intersystems.com/cache/technology/ product-tables/releasenotes/c41x/ - 173k - Cached - Similar pages

LVM HOWTO
Updated CVS locations and FTP links; Added section on extending a JFS ... up size
to physical **extent** boundary "752 MB" lvcreate -- doing automatic **backup** of ...
www.geniusweb.com/LDP/HOWTO/html_single/LVM-HOWTO/ - 223k - Cached - Similar pages

[PDF] Oracle Certification Preparation (OCP) / Hidden Treasures
File Format: PDF/Adobe Acrobat
... row is **split** into two blocks. (inserts/**updates**). Migration occurs with **updates**.
... "**Quiesce** Database" put'sa database in a partially available state. ...
www.nyoug.org/oracleocp.pdf - Similar pages

[PDF] Bulletin of the Technical Committee on June, 1996 Vol. 19 No. 2 ...
File Format: PDF/Adobe Acrobat - View as HTML
... copy recent writing from the **primary** copy to the **backup** copy, while users ...
with the writing of the **primary** copy, **quiesce** writing of the **primary** copy, ...
sites.computer.org/debull/96JUN-CD.pdf - Similar pages

[PS] Bulletin of the Technical Committee on Data Engineering June, 1996 ...
File Format: Adobe PostScript - View as Text

... facility to copy recent writing from the **primary** copy to the **backup** copy, ...
has caught up with the writing of the **primary** copy, **quiesce** writing of the ...
sites.computer.org/debull/june96-A4draft.ps - <u>Similar pages</u>

[PDF] <u>DECUS Symposium München DECUS Symposium München Berlin 2001 Berlin ...</u>
File Format: PDF/Adobe Acrobat - <u>View as HTML</u>
... **Split**. BCV1. BCV2. BCV3. 38. Multiple **backup** copies online ... A Scenario of
Database Object **Mapping** (Raid 0+1): ... Striped **Extent** 3. Striped **Extent** 4 ...
www.decus.de/slides/sy2001/vortraege_2404/1e04.pdf - <u>Similar pages</u>

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ADM Messages
... The attempt to acquire and reset the phantom **quiesce** state for table space
... be recreated from a **backup** image or **split** mirror of the **primary** database. ...
publib.boulder.ibm.com/infocenter/ db2help/topic/com.ibm.db2.udb.doc/core/r0admmsg.htm - 128k -
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[PDF] DB2 for OS/390 Version 6 Migration
File Format: PDF/Adobe Acrobat - View as HTML
... definition that uses the larger **primary extent** size. Work file database size
calculations: The migration job DSNTIJTC creates and **updates** indexes on ...
www.quest-pipelines.com/pipelines/ db2/archives/V6Migration.pdf - Similar pages

Koders - SynHighlighterSQL.pas
... + '**quiesce**,raiserror,read,readpast,readtext,real,reconfigure,recursive,' +
... 'EXPIRE,EXPLAIN,**EXTENT**,EXTERNALLY,FAILED_LOGIN_ATTEMPTS,FAST,FILE,FLUSH,' ...
www.koders.com/delphi/ fid7E241D285517637A3A4D83B4729A3FAD44CCA6D3.aspx - 101k -
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LVM HOWTO AJ Lewis <alewis(at)redhat.com> Copyright © 2002-2003 ...
... 3.5. logical **extent** (LE) Each logical volume is **split** into chunks of data,
... eg. logical **extent** 1 could **map** onto physical **extent** 51 of PV1, ...
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... **Quiesce** database may impact **primary** availability. End-User Transparency ...
sequential **primary** key **updates**. Application Performance ...
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... INSERT/**UPDATE** conditionnel : fait un **UPDATE** si la ligne existe, ... la base
est **QUIESCE**. Haute disponilité et Restauration **Backup** & Recovery : RMAN ...
www.produits.amue.fr/Oracle_9i_Java/ 9iR2-Nouvelles_Fonctionnalites.ppt - Similar pages

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... **QUIESCE** command. • system files and data & index volumes '**split**'. • **updates**
to secondary volumes of mirror images. cancelled ...
www.datacomuserforum.co.uk/ discuss/CADUF02-05-03/Experiences.pdf - Apr 12, 2005 - Similar pages

[PDF] DB2 UDB **Backup** and Recovery
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... The snapshot image is used as **backup** image to restore over the **primary**.
database. ... the **primary** volume's storage server keeps track of all **updates** ...
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LDP/howto/docbook/LVM-HOWTO.xml - view - 1.17

... </para> </sect1> <sect1 id="PE"><title>physical **extent** (PE)</title> <para> Each
... </para> </note> </para> </sect2> <sect2><title>Do the **backup**</title> ...
cvsview.tldp.org/index.cgi/LDP/howto/docbook/ LVM-HOWTO.xml?rev=1.17&content-type=text/vnd.viewcvs-
markup - 217k - <u>Cached</u> - <u>Similar pages</u>

<u>McCusker June 2002 | ogres are like onions</u>
... The Mac community seems to be pretty evenly **split** between IE, ... which allows
the VM to **quiesce** itself at any time by returning to the VM's caller. ...
www.treedragon.com/ged/**map**/ti/newJun02.htm - 308k - <u>Cached</u> - <u>Similar pages</u>

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EP1438808
... service more users and **back-up** more data has become a daunting task. ...
the server must be notified to **quiesce** all outstanding requests to the virtual ...
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... S **backup**,JOBNAME=JES2,.... Test the JES2 PROC after all **updates** and after any
... **updates** - but NO "**quiesce**" point or syncpoint occurs or is necessary ...
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School of Computer & Information Science - University of South ...
... allowing **update** of, 15: changing from rowid-based to **primary**-key-based, ...
10.2: dropping contents, 18: ending online **backup**, 12: **extent** size, ...
www.cis.unisa.edu.au/oracle/server.101/b10759/ - 513k - Cached - Similar pages

DB2 Universal Database Information Center
... Installing a database partition server on the **primary** computer using the DB2
... a **split** mirror as a standby database; Using a **split** mirror as a **backup** ...
www.db2.jp/db2manual/en_US/nav.htm - 513k - Cached - Similar pages

SQL0900 - SQL0999
... that you design applications to avoid deadlocks to the **extent** possible. ...
database or instance name is quiesced by user username. **Quiesce** type: type. ...
www.db2.jp/db2manual/en_US/core/rsql0900.htm - 69k - Cached - Similar pages

[PDF] DB2 for z/OS and OS/390 Data Management Tools **Update**
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... of expertise include DB2 performance, database administration, and **backup** ...
DB2 Recovery Manager establishes a **quiesce** point and records that point on ...
www.redbooks.ibm.com/redbooks/pdfs/sg246406.pdf - Similar pages
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Patent 5226126: Processor having plurality of functional units for ...
... In response to abnormal terminations, DEC 12 will **back up** the state of the
... Control Bit **Update** is used in conjunction with all DEC **quiesce** p-ops. ...
www.freepatentsonline.com/5226126.html - 147k - Cached - Similar pages

Message Reference
... recommended that you design applications to avoid deadlocks to the **extent**
possible. ... **Quiesce** type "<type>" refers to the instance or database already ...
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MVS on your PC - The CBT-Tape 249
... OURS WILL ALLOW YOU TO RELEASE DOWN TO THE **PRIMARY EXTENT** OR OR SPECIFY THE

... GIVES SIMILIAR INFO TO A COMPAKTOR **MAP**. THIS NOW DOES NOT **UPDATE** LASTUSE ...
www.bsp-gmbh.com/turnkey/cookbook/cbt249.html - 513k - Cached - Similar pages

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... + '**PRIMARY**,PRIOR,PRIVATE_SGA,PRIVILEGES,PROCESSES,PROFILE,PUBLIC,QUERY,'
+ 'QUERY_REWRITE_ENABLED,QUERY_REWRITE_INTEGRITY,**QUIESCE**,QUOTA,' + ...
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... Fine-Grained **Quiesce**: Oracle8 can **quiesce** one replication group at a time.
... **updates** become significantly large to the **extent** that I/O performance ...
ross.nwcg.gov/documents_library/white_papers/ ross_cache_interface_study_2000_0825.pdf - Similar pages

[Emacs-diffs] Changes to emacs/lisp/progmodes/sql.el [emacs-unicode-2]
... (define-key **map** (kbd "Cc Cc") 'sql-send-paragraph) (define-key **map** (kbd "Cc
... "purge" "query" "**quiesce**" "quota" "range" "read" "reads" "rebuild" ! ...
lists.gnu.org/archive/html/ emacs-diffs/2004-06/msg00923.html - 114k - Cached - Similar pages

Oracle9i Database Master Index: A (Release 2 (9.2))
... ALLOCATE **EXTENT** (Real Application Clusters Deployment and Performance) ...
in (**Backup** and Recovery Concepts): switching from **primary** role to standby ...
www.cs.umb.edu/cs634/ora9idocs/mix.920/a96625/idx-a.htm - 513k - Cached - Similar pages

378353 the 143322 a 123856 to 112893 is 108002 para 107557 of ...
... fetch 175 **backup** 175 adm 174 maintained 174 additionally 174 getexecattr ...
73 acquires 73 copyb 73 dollar 73 acts 73 wcrtomb 73 **quiesce** 73 slots 73 ...
www.liv.ac.uk/e-science/condor/results.txt - 326k - Cached - Similar pages

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... Explanation: An attempt has been made to **update** a **primary** VSAM key. ...
TND0408C LU [luname] Held due to **Quiesce** Request (QEC) from device ...
www.north-ridge.com/tnd420/tnd0206.pdf - Similar pages

From technoshaman at liawol.org Sat May 1 07:10:38 2004 From ...
... **backup** (to **quiesce** the RAID array in the event of a power failure). ...
of the restoration lies in the **extent** to which we apply social values more noble ...
lists.ssc.com/pipermail/linux-list/2004-May.txt - 252k - Cached - Similar pages

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... except to the **extent** required to obtain interoperability with other ...
QUIESCE mode. Check your Resource Plan for INTERNAL_QUIESCE. ...
www.filibeto.org/sun/lib/nonsun/oracle/ 10.1.0.2/oracle_enterprise_manager/B12012_01.pdf - Similar pages

Link List Labor - Links, Links, Links - In Planung 51
... asynchronous batched **update** | asynchronous communication | asynchronous ...
CTLD | CUA | CUD | CUG | cumulative **backup** | cumulative **mapping** | cumulative ...
www.linklistlabor.info/~l/_n/in-plan51.html - 214k - Cached - Similar pages

Oracle9i SQL Reference – Index
... allowing **update** of, 13-21: changing from rowid-based to **primary**-key-based,
... 10-86: ending online **backup**, 10-88: **extent** management, 14-81: **extent** size ...
zuse.esnig.cifom.ch/database/ doc_oracle/Oracle901_Linux/server.901/a90125/ - 513k - Cached - Similar pages

Release Notes for Maintenance Kits Prior to Caché 5.0.8
... Summary: **Quiesce** ECP-based cluster after setting **backup** switch ... **UPDATE**,
and DELETE did not work properly if a table had a Bitmap **Extent** index, ...
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